

Abstract of the Disclosure

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A temperature sensor has lead lines made of an elastic material each attached to a corresponding one of electrodes on a temperature sensing element such as an NTC thermistor element. The lead lines may each have a non-
5 straight part where they are bent or deformed into a semi-circular shape such that, when these lead lines are inserted into throughholes prepared through a circuit board, the non-straight parts are hooked at the throughholes and the portions of the lead lines above the circuit board will stand up obliquely. Instead
10 of lead lines, a pair of elongated planar lead terminals each with a twisted top end part may be connected to the electrodes such that the top end parts of the pair of lead terminals face each other and can support the temperature sensing element more securely in between. ~~Such temperature sensors can be produced by~~
preparing many temperature sensing elements and a lead frame with a linearly
15 elongated base part and pairs of planar lead parts extending perpendicularly from the base part, twisting these planar lead parts and inserting the temperature sensing elements between mutually facing pairs of top end parts of these planar
~~lead parts and cutting them to separate them from the base part.~~